

SEABUILT
ACCESS PLATE SYSTEM

Cleanout / Inspection Port for Diesel Fuel Tanks / Water Tanks / Holding Tanks

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Patent No. 5,481,790



- ▲ **DO NOT INSTALL THE ACCESS PLATE SYSTEM ON TANKS THAT CONTAIN GASOLINE OR OTHER HIGHLY FLAMMABLE FUELS, LIQUIDS OR GASSES.** Cutting holes in any of these tanks for installing the access plate system is extremely dangerous and could cause injury or death; do NOT attempt this at any time or under any circumstances.
- ▲ **DO NOT USE A CUTTING TORCH AROUND FLAMMABLE LIQUIDS OR GASSES.** Use only a hole saw or jig saw to cut into the tank on which the Access System will be installed.
- ▲ **ALWAYS WEAR EYE PROTECTION AND FOLLOW ALL SAFETY PROCEDURES.**
- ▲ **COMPLETE THE ACCESS PORT PREPARATION BEFORE TANK CLEANING.**
- ▲ **DO NOT INSTALL THE ACCESS PLATE SYSTEM BEFORE COMPLETELY AND**
- ▲ **CAREFULLY READING THE INSTRUCTIONS.** Please contact us with questions.

No Warranties This product is not covered by any warranties whatsoever, express or implied, and is not guaranteed in any way. Successful use of the product depends entirely on the correct installation and adequate maintenance of the system. Of course, we would be happy to replace any parts that have been manufactured incorrectly, have been damaged in shipping or are not useable. Just give us a call or email us and we will get a new part out to you as soon as we can.

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INSTALLATION INSTRUCTIONS

Access Port Preparation

1. LOCATE THE ACCESS HOLE AREA

- A) Identify flat section of the tank where access is necessary.
- B) Make sure that the fluid level is below the hole area.
- C) Make sure that the hole will not be over a tank baffle or divider.

2. PREPARE THE STUD HOLES

- A) Hold front plate against the tank and mark the stud holes with a permanent felt tip marker.
- B) Using a punch, mark the center of the each stud hole to ensure accurate drilling of the stud holes.
- C) Using cutting oil and a 3/8" drill bit, drill the stud holes.
- D) TIP: We recommend drilling a 1/8" pilot hole first to prevent the 3/8" bit from wandering.

3. PREPARE THE ACCESS HOLE

- A) Locate the center of the hole area by drawing lines across two pairs of opposite stud holes and mark an 'X' where the two lines intersect.



- B) Drill a 1/4" hole in the center where the lines intersect.
- C) Using a 4" hole-saw (6" plate) or 6" hole-saw (8" plate) or 8" hole-saw (10" plate), cut a hole using the 1/4" center hole for the pilot bit (see B) above). **NOTE:** Be careful not to drop the cut-out into the tank. Using a long pilot-bit on the hole-saw will help avoid this.

TIP: Use a heavy duty drill (1/2" chuck) with side handle to prevent twisting from hole-saw torque. Tilt the drill approximately 10 to 15 degrees off centerline so the hole-saw cuts on its side instead of holding it flat. When the tank wall is penetrated by the side of the saw, rotate the drill counter-clockwise, extending the cut in a counter-clockwise direction until you have completed the cut.

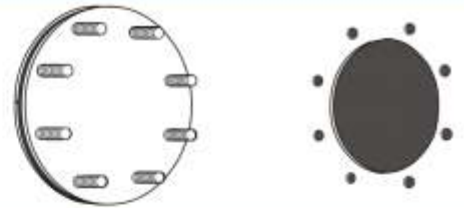
NOTE: A jig saw can be used to cut out the hole if there is adequate room.

NOTE: Deburr the inside and outside edge of the access hole with a file, then clean the inside and outside areas of the stud holes with sandpaper (such as 120 grit wet or dry). Ensure that all surfaces are clean and free of sharp objects or debris for the inner and outer gaskets to seal properly.

Complete tank cleaning process. Go to Access Plate Installation instructions. ►►►

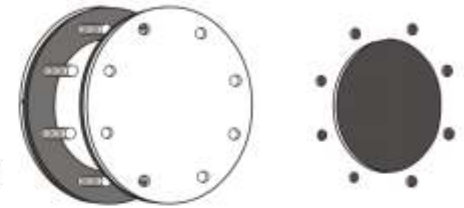
▲ **DO NOT INSTALL THE ACCESS PLATE SYSTEM ON TANKS THAT CONTAIN GASOLINE OR OTHER HIGHLY FLAMMABLE FUELS, LIQUIDS OR GASSES.**

▲ **Make sure all surfaces are clean and dry during installation.**



Tool Checklist:

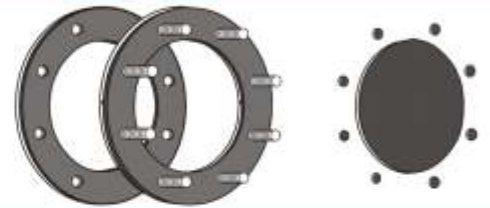
- Drill
- Punch
- 4" diameter hole saw (6" plate) or 6" diameter hole saw (8" plate) or 8" diameter hole saw (10" plate)
- 3/8" drill bit
- 1/4" drillbit
- File
- Sandpaper
- Permanent marker
- Cutting Oil
- Straight Edge
- Anti-Seize Compound



PREPARE AND INSTALL BACKING RING / INNER GASKET

A) Press inner gasket over studs on both backing rings. *Do not use gasket compound.*

B) Fold backing rings together, creating a 'C' shape, and slip through the access hole.



TIP: Tie a string to the backing rings to prevent difficult retrieval if they are dropped in. The string can be removed after one of the backing rings is secured by the outer gasket.



C) Push the studs of one backing ring through the tank stud holes.

D) Press the outer gasket over the already inserted studs to prevent the backing plate from falling into the tank.

E) Push the studs of the other backing ring through the tank stud holes.

F) Press the outer gasket over the other inserted studs.



INSTALL FRONT PLATE / OUTER GASKET

A) Place the front plate over the studs and outer gasket.

B) Use anti-seize compound on the studs to prevent the threads from galling.

C) Place flat washers, then the lock washers, then the nuts over each stud.

D) Tighten nuts until outer gasket is compressed and is pushing slightly from the edge of the front plate.

NOTE: Do not overtighten and severely distort the gasket. *Do not use gasket compound.* Make sure all surfaces are clean and dry during installation.

